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| <b>Title</b> | <b>Plan, implement, and monitor an Integrated Pest Management (IPM) programme for a primary sector workplace</b> |                |           |
| <b>Level</b> | <b>5</b>   | <b>Credits</b> | <b>15</b> |

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| <b>Purpose</b> | <p>This unit standard is for people who are working in the primary sector who are responsible for the planning, implementation, and monitoring of an IPM programme.</p> <p>People credited with this unit standard are able to: develop IPM goals and objectives for a specified primary sector workplace; develop and document an IPM plan to achieve goals and objectives; and implement, monitor, and review the IPM plan.</p> |
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| <b>Classification</b> | Primary Sector > Plant Pest, Weed, and Disease Control |
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| <b>Available grade</b> | Achieved |
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| <b>Entry information</b>                |   |
| <b>Recommended skills and knowledge</b> | <p>Unit 27212, <i>Plan, implement, and evaluate a plant pest and disease control programme</i>, or Unit 27214, <i>Plan, implement, and evaluate a weed control programme</i>, and Unit 27217, <i>Demonstrate knowledge of integrated pest management (IPM), control methods, and benefits of use</i>.</p> |

### Explanatory notes

- 1 Legislation and regulations relevant to this unit standard include but are not limited to –
  - Hazardous Substances and New Organisms Act 1996;
  - Agricultural Compounds and Veterinary Medicines Act 1997;
  - Health and Safety in Employment Act 1992;
  - local regional and territorial authority regulatory requirements.
- 2 Definitions
  - Workplace procedures* – the verbal or written instructions to staff on the procedures for worksite, equipment, and documentation.
  - Goals* – statement of intent for pest management, usually for a period of 1-5 years.
  - Objectives* – components which collectively contribute to achieving goals.
  - Strategy* – the values and beliefs of the enterprise owners/managers, the general financial strategy, and general production goals.
- 3 Range

*Specified primary sector* may be any one of agriculture, equine, forestry, horticulture, amenity turf, sports turf.

*Pests* in regards to IPM include but are not limited to – vertebrate pests, invertebrate pests, weeds, diseases.

#### 4 Assessment

The IPM programme must be implemented and managed for a specified primary sector for a normal growing cycle, and include multiple pests and diseases.

As IPM is constantly evolving, the most current IPM practices should be researched and used in the evidence presented for assessment against this unit standard.

Assessment must be carried out in a commercial workplace or simulated commercial workplace environment.

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## Outcomes and evidence requirements

### Outcome 1

Develop IPM goals and objectives for a specified primary sector workplace.

#### Evidence requirements

- 1.1 IPM goals developed are in accordance with the overall enterprise strategy.
- 1.2 IPM objectives developed are specific, measurable, achievable, cost effective, and include realistic time-frames for their achievement.
- 1.3 IPM goals and objectives take into account analysis of enterprise strengths, weaknesses, opportunities, and threats (SWOT).

### Outcome 2

Develop and document an IPM plan to achieve goals and objectives.

#### Evidence requirements

- 2.1 The actions in the IPM plan are consistent with each IPM objective.  
  
Range may include but is not limited to – schedules, timelines, labour requirements, inputs into the enterprise, equipment requirements.
- 2.2 Key Performance Indicators (KPIs) for each objective are developed to monitor progress.
- 2.3 The plan is documented in accordance with workplace procedures.

### Outcome 3

Implement, monitor, and review the IPM plan.

#### Evidence requirements

- 3.1 The IPM plan is implemented in accordance with identified actions and workplace procedures.
- 3.2 KPIs are monitored and action taken where variations are identified in accordance with workplace procedures.
- Range action may include but is not limited to – prevention, control, correction.
- 3.3 IPM implementation in the workplace is reviewed against the IPM plan, goals and objectives, and recommendations for amendments of the IPM plan are made in accordance with workplace procedures.

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| <b>Replacement information</b> | This unit standard and unit standard 2810 were replaced by unit standard 29913. |
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**This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.**

#### Status information and last date for assessment for superseded versions

| Process      | Version | Date             | Last Date for Assessment |
|--------------|---------|------------------|--------------------------|
| Registration | 1       | 18 August 2011   | 31 December 2020         |
| Review       | 2       | 16 February 2017 | 31 December 2020         |

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| <b>Consent and Moderation Requirements (CMR) reference</b> | 0232 |
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

#### Please note

Providers must be granted consent to assess against standards (accredited) by NZQA, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be granted consent to assess against standards by NZQA before they can register credits from assessment against unit standards.

Providers and Industry Training Organisations, which have been granted consent and which are assessing against unit standards must engage with the moderation system that applies to those standards.

Requirements for consent to assess and an outline of the moderation system that applies to this standard are outlined in the Consent and Moderation Requirements (CMR). The CMR also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.